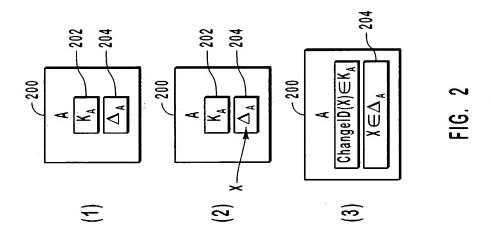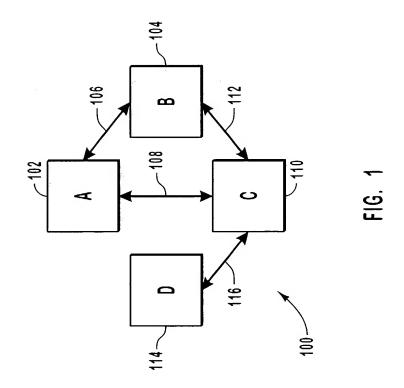Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
Docket No.: 13768.427

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FIG. 2

FIG. 1

Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
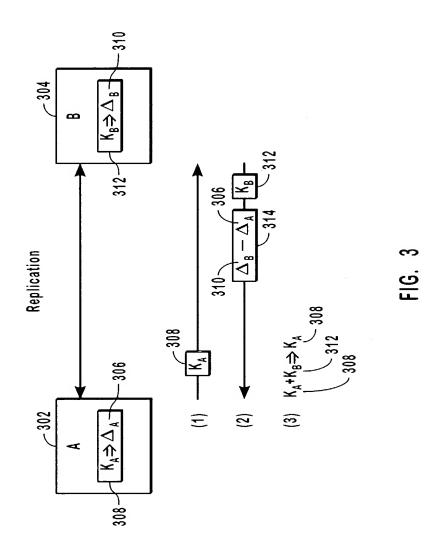Docket No.: 13768.427

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FIG. 3

Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
Docket No.: 13768.427
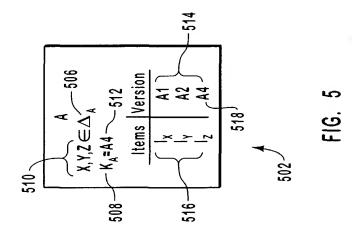
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FIG. 5

FIG. 4

Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
Docket No.: 13768.427

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FIG. 6

Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
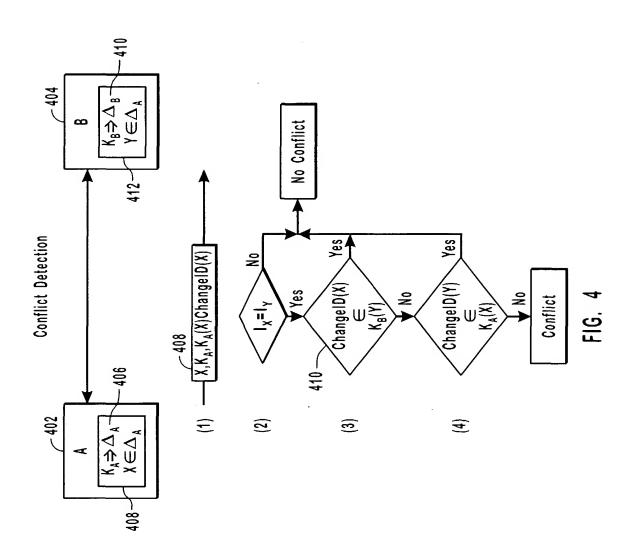Docket No.: 13768.427

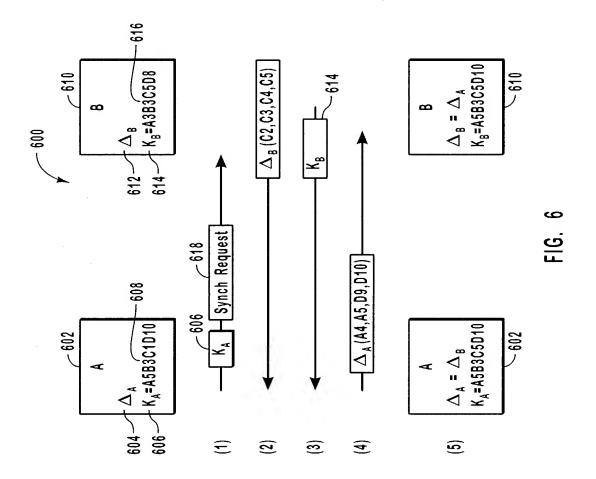5 / 8

Exception List

606 — K_A = A5B3C1D10 ⌒ 608

702 — {
+C2
+C3
+C4
+C5
}

= A5B3C5D10 ⌒ 704

614 — K_B = A3B3C5D8 ⌒ 616

703 — {
+A4 +D9
+A5 +D10
} ⌒ 702

= A5B3C5D10 ⌒ 706

FIG. 7A

Pointwise Maximum

A5B3C1D10 ⌒ 608
A3B3C5D8 ⌒ 616

$K_A = K_B$ = A5B3C5D10 ⌒ 708

FIG. 7B

K =
A5   B1 C5 D10 ⌒ 710
+A7   +B2 C6
+A8   +B3 C7   ⌒ 712
+A9   +B4 C8
+A10   +B6

K =
A5   B4 C8 D10 ⌒ 714
+(A7:A10)+B6 ⌒ 716

FIG. 7C

Title: REPLICATION PROTOCOL FOR DATA STORES
Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
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FIG. 8

Title: REPLICATION PROTOCOL FOR DATA STORES
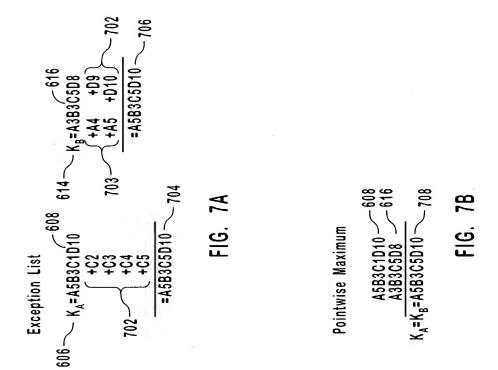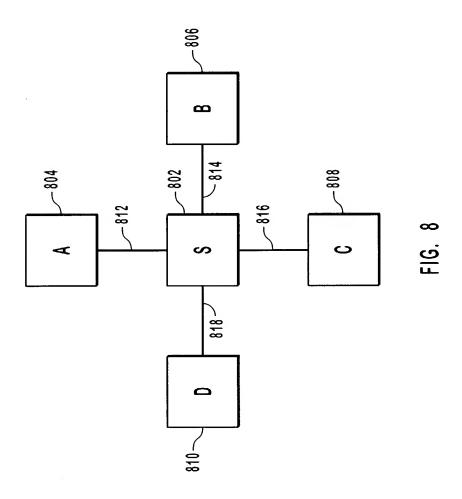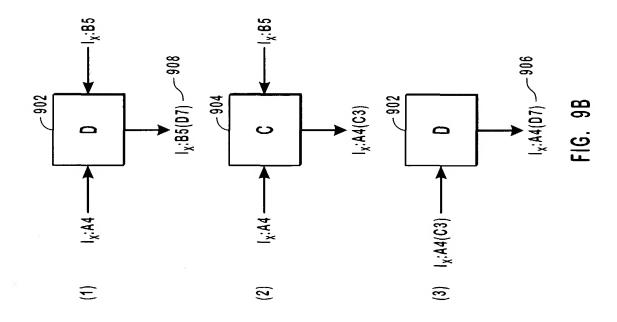Inventors: Lev Novik, Irena Hudis, Douglas B. Terry, Vivek J. Jhaveri, Sanjay Anand and Ashish B. Shah
Docket No.: 13768.427

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FIG. 9B

(1) I_x:A4 → [D] 902, I_x:B5 → [D] → I_x:B5(D7) 908

(2) I_x:A4 → [C] 904, I_x:B5 → [C] → I_x:A4(C3)

(3) I_x:A4(C3) → [D] 902 → I_x:A4(D7) 906

FIG. 9A

I_x:A4 → [D] 902, I_x:B5 → [D] → I_x:A4(D7)

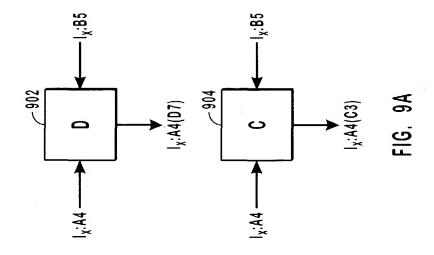I_x:A4 → [C] 904, I_x:B5 → [C] → I_x:A4(C3)

Title: REPLICATION PROTOCOL FOR DATA STORES
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Fig. 10